

**I CLAIM:**

1. A steam conditioning system having:
  - a steam conditioning valve for depressurizing and desuperheating superheated steam by supplying moisture thereto;
  - 5 a discharge pipe connected to a discharge end of the steam conditioning valve, wherein the improvement comprises:
    - a horizontal section of the discharge piping being provided with a moisture drain in proximity to the bottom of the horizontal section of the discharge pipe;
    - 10 a nozzle for injecting a water mist into a lower portion of the discharge valve; and a conduit for connecting said nozzle to said drain for transporting condensed water to said nozzle.
2. The steam conditioning system of claim 1 wherein the nozzle  
15 has an opening exiting into an annular reduction in the longitudinal cross-section of the lower portion of said valve, wherein moisture is drawn from the drain through the transport conduit and out the exit nozzle into the conditioning valve due to Venturi effect.